

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2416267	normal\$7	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/01/29 08:59
L3	84734	shift register	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 09:00
L4	39772	1 and 3	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 09:00
L5	10080	bit shift register	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 09:00
L6	6108	1 and 5	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 09:00
L7	116	1 with 5	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 09:01
L8	4542828	(@ad < "20030731") or (@rlad <"20030731")	US-PGPUB; USPAT	OR	OFF	2007/01/29 09:01
L9	111	L8 and 7	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 10:34
L10	159	Ron and Maurer	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 10:34
L11	31	Ron and Maurer .in.	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 10:36
L12	7	11 and bilateral	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/29 10:36
S1	0	("taylorseries").PN.	USPAT; USOCR	OR	OFF	2007/01/24 17:46
S2	1095521	taylor series	USPAT	OR	OFF	2007/01/24 17:46

## EAST Search History

S3	438193	infinite geometric sum	USPAT	OR	OFF	2007/01/26 15:38
S6	1052645	infinite product	USPAT	OR	OFF	2007/01/24 17:48
S11	48293	sum with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/25 09:14
S12	2771	382/260-269.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/24 18:03
S13	188	S11 and S12	US-PGPUB; USPAT	OR	OFF	2007/01/24 18:07
S14	5441	sum with difference	EPO; JPO	OR	OFF	2007/01/25 09:06
S16	4542036	(@ad < "20030731") or (@rlad <"20030731")	US-PGPUB; USPAT	OR	OFF	2007/01/24 18:08
S17	169	S13 and S16	US-PGPUB; USPAT	OR	OFF	2007/01/24 18:08
S18	684	382/260-269.cor.	USPAT	OR	OFF	2007/01/25 07:47
S19	48341	sum with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/25 07:47
S20	2772	382/260-269.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:31
S21	188	S19 and S20	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:47
S22	4542828	(@ad < "20030731") or (@rlad <"20030731")	US-PGPUB; USPAT	OR	OFF	2007/01/25 07:47
S23	169	S21 and S22	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:48
S24	74	S18 and S23	USPAT	OR	OFF	2007/01/25 07:47
S25	917	(add\$5) with sum with difference	EPO; JPO	OR	OFF	2007/01/25 09:07
S26	0	S20 and S22 and S25	EPO; JPO	OR	OFF	2007/01/25 09:10
S27	3	smooth same preserv\$4 near3 edge	EPO; JPO	OR	OFF	2007/01/25 09:11
S28	23650	bilateral	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/25 09:14
S29	43	bilateral filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 09:59

## EAST Search History

S30	257	S19 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 09:16
S31	0	S19 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 09:16
S32	231	S22 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 09:18
S33	0	382/308.ccls	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:49
S34	174	382/308.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:51
S35	16	S19 and S34 and S22	US-PGPUB; USPAT	OR	OFF	2007/01/25 09:52
S36	79	bilateral filter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 10:17
S38	179072	Taylor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 10:17
S39	5	S36 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 10:25
S40	4	"6771793"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 13:32
S41	1	S40 and sum and difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 10:27
S42	11	("4258264"   "5402338"   "5461655"   "5467404"   "5644662"   "5727078"   "5805721"   "6072913"   "6292592").PN. OR ("6771793"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/25 10:27
S44	351	382/205.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:32
S45	41	S19 and S44	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:32

## EAST Search History

S46	40	S22 and S45	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:43
S48	2153261	normal\$7	US-PGPUB; USPAT	OR	OFF	2007/01/25 10:44
S49	23	S46 and S48	US-PGPUB; USPAT	OR	OFF	2007/01/25 13:27
S50	0	pixel of interest	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/25 13:29
S53	2253	central pixel	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 13:28
S54	6338	center pixel	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 13:28
S55	0	pixel of interest	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 13:29
S56	3528	pixel adj2 interest	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 13:30
S57	10757	S53 or S54 or S56	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 13:30
S58	115	S19 same S57	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 13:30
S59	74	S58 and S22	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/25 15:29
S60	5731819	add\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 13:32
S61	1	S60 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 13:34

## EAST Search History

S62	98297	variance	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 13:35
S63	1	S62 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/25 13:35
S64	1	("6133902").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/25 15:51
S65	1	10/631148	US-PGPUB; USPAT	ADJ	ON	2007/01/25 17:28
S66	4542828	(@ad < "20030731") or (@rlad <"20030731")	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S67	5441	sum with difference	EPO; JPO	OR	OFF	2007/01/26 07:36
S68	920	S67 and image	EPO; JPO	OR	OFF	2007/01/26 07:36
S69	2772	382/260-269.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S70	48341	sum with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/26 07:36
S71	2049	382/260-269.ccls.	USPAT	OR	OFF	2007/01/26 07:36
S72	27160	sum with difference	USPAT	OR	OFF	2007/01/26 07:36
S73	3	sum with defference	USPAT	OR	OFF	2007/01/26 07:36
S74	1095521	taylor series	USPAT	OR	OFF	2007/01/26 10:56
S75	1052645	infinite product	USPAT	OR	OFF	2007/01/26 07:36
S76	19068	S74 with S75	USPAT	OR	OFF	2007/01/26 07:36
S77	726	zero with order with S74	USPAT	OR	OFF	2007/01/26 07:36
S78	438193	infinite geometric sum	USPAT	OR	OFF	2007/01/26 07:36
S79	9586	S74 with S78	USPAT	OR	OFF	2007/01/26 07:36
S80	98297	variance	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S81	2153261	normal\$7	US-PGPUB; USPAT	OR	OFF	2007/01/29 08:59
S82	48341	sum with difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/26 07:36
S83	351	382/205.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36

## EAST Search History

S84	41	S82 and S83	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S85	11	("4258264"   "5402338"   "5461655"   "5467404"   "5644662"   "5727078"   "5805721"   "6072913"   "6292592").PN. OR ("6771793"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/01/26 07:36
S86	4	S85 and sum and difference	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S87	23650	bilateral	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/26 07:36
S88	257	S82 and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S89	917	(add\$5) with sum with difference	EPO; JPO	OR	OFF	2007/01/26 07:36
S90	174	382/308.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S91	179072	Taylor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S92	188	bilateral near5 filter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S93	6338	center pixel	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/26 07:36
S94	2253	central pixel	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/26 07:36
S95	3528	pixel adj2 interest	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/26 07:36
S96	10757	S94 or S93 or S95	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/26 07:36

## EAST Search History

S97	115	S82 same S96	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	ON	2007/01/26 07:36
S98	2067	central pixel	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/26 07:36
S99	5569	center pixel	US-PGPUB; USPAT; FPRS; EPO; JPO	ADJ	OFF	2007/01/26 07:36
S10 0	2772	382/260-269.ccls.	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S10 1	188	S82 and S100	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S10 2	4542828	(@ad < "20030731") or (@rlad <"20030731")	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S10 3	169	S101 and S102	US-PGPUB; USPAT	OR	OFF	2007/01/26 07:36
S10 4	684	382/260-269.cor.	USPAT	OR	OFF	2007/01/26 07:36
S10 5	43	bilateral filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S10 6	5731819	add\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/01/26 07:36
S10 7	84004	normaliz\$5	USPAT	OR	OFF	2007/01/26 07:37
S10 8	82200	S74 same S81	USPAT	OR	OFF	2007/01/26 10:56
S10 9	30440	S74 with S81	USPAT	OR	OFF	2007/01/26 10:57
S11 0	1956498	kernel\$1 or window\$3 or matr\$4 or filter\$3 or mask\$3 or block or (local adj (neighborhood or region))	USPAT	OR	OFF	2007/01/26 10:53
S11 1	2606	S109 same S110	USPAT	OR	OFF	2007/01/26 10:54
S11 2	84	S109 same S110 same image	USPAT	OR	OFF	2007/01/26 10:57
S11 3	84	S66 and S112	USPAT	OR	OFF	2007/01/26 10:55

## EAST Search History

S11 4	2439	taylor series	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:36
S11 5	75	S114 same S81	USPAT	OR	OFF	2007/01/26 10:58
S11 6	31	S114 with S81	USPAT	OR	OFF	2007/01/26 10:57
S11 8	10368	"52" same S110 same image	USPAT	OR	OFF	2007/01/26 10:57
S11 9	0	S115 same S110 same image	USPAT	OR	OFF	2007/01/26 10:57
S12 1	156460	normaliz\$7	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/01/26 12:00
S12 2	67	S114 same S121	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/01/26 11:15
S12 3	57	S66 and S122	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/01/26 11:15
S12 4	151	normaliz\$7 same taylor	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2007/01/26 12:00
S12 5	17	taylor series with division	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:40
S12 6	1489	shift register with division	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:33
S12 7	57145	"382".clas.	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:33
S12 8	21	S126 and S127	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:33
S12 9	4542828	(@ad < "20030731") or (@rlad <"20030731")	US-PGPUB; USPAT	OR	OFF	2007/01/26 15:33
S13 0	19	S129 and S128	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:33
S13 1	1	truncated infinite geometric sum	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:37

## EAST Search History

S13 2	1	infinite geometric sum	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:37
S13 3	78	geometric sum	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:37
S13 4	724595	infinite geometric sum	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 15:39
S13 5	819626	truncated infinite geometric sum	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 15:38
S13 6	1	truncated infinite geometric sum	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/01/26 15:39
S13 7	1	infinite geometric sum	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/01/26 15:39
S13 8	187	infinite sum	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/01/26 15:39
S13 9	3	taylor series with infinite sum	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:56
S14 0	1	taylor series with infinite product	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 16:05
S14 1	3	taylor with infinite sum	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:44
S14 2	3	taylor with infinite sum	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:44
S14 3	1	taylor with infinite product	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:50
S14 4	73	taylor with zero with order	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:51
S14 5	60	S129 and S144	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:56
S14 6	13966	zero order	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:56

## EAST Search History

S14 7	8	taylor series with S146	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/26 15:56
S14 8	40	taylor series with product	US-PGPUB; USPAT; EPO; JPO	ADJ	OFF	2007/01/29 08:58